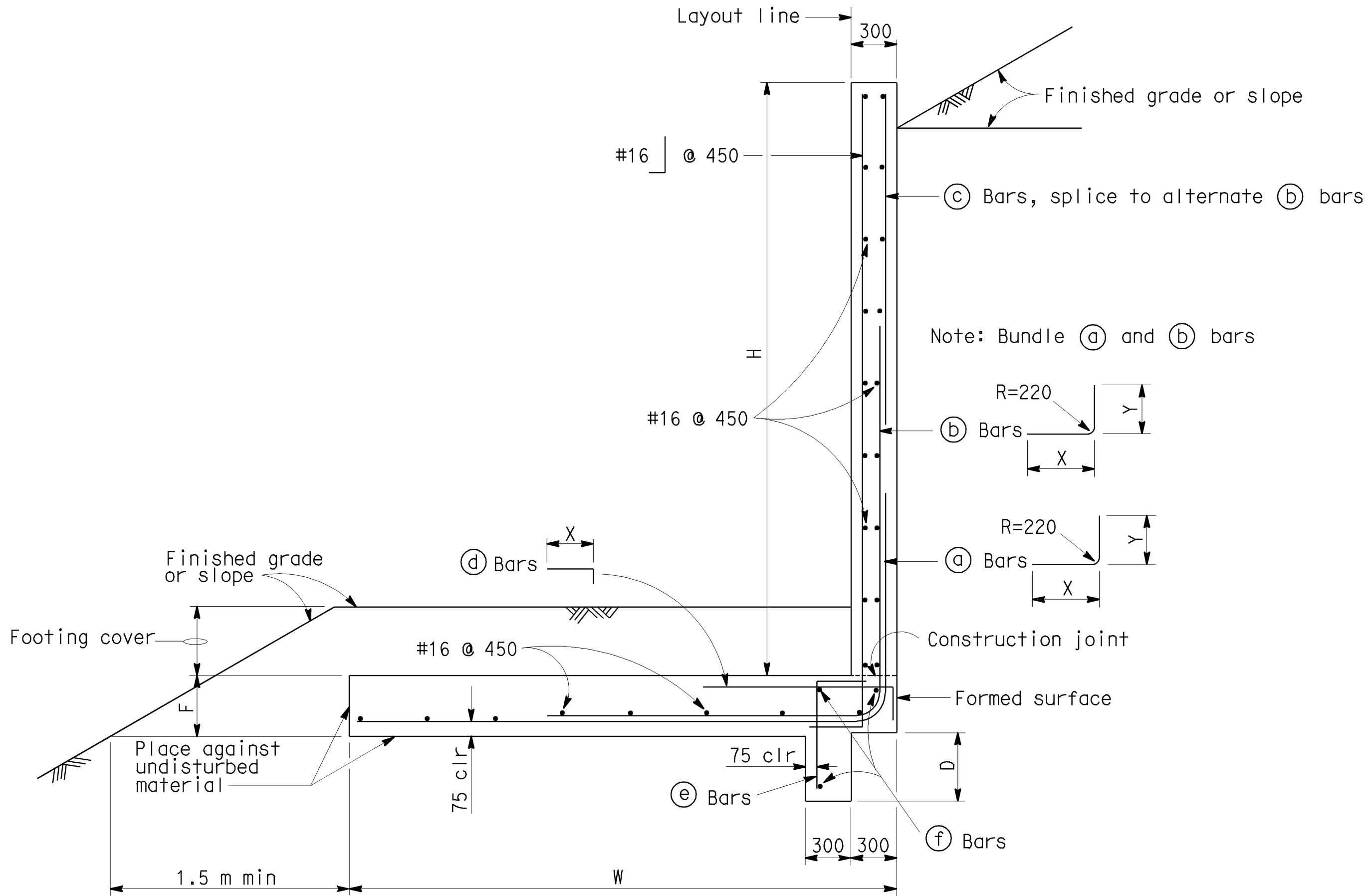


| | | | | | |
|--|--------|-------|------------------------------|-----------|---|
| DIST. | COUNTY | ROUTE | KILOMETER POST TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
| | | | | | |
| REGISTERED ENGINEER - CIVIL | | | | | <div>PROFESSIONAL ENGINEER No. _____ Exp. _____ CIVIL STATE OF CALIFORNIA</div> |
| PLANS APPROVAL DATE _____ | | | | | |
| The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet. | | | | | |



TYPICAL SECTION

Note: For details not shown, see B3-8

TABLE OF DIMENSIONS AND REINFORCING STEEL

| DESIGN H (m) | 1.2 | 1.82 | 2.4 | 3.0 | 3.6 |
|--------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|
| W (m) | 1.2 | 1.6 | 2.2 | 2.8 | 3.6 |
| F (m) | .30 | .30 | .38 | .38 | .38 |
| D (m) | .22 | .22 | .22 | .45 | .45 |
| FOOTING COVER (m) | .30 min | .30 min | .45 min | .45 min | .45 min |
| (a) Bars X Y | #16 @ 450 Cont Cont | #16 @ 300 Cont Cont | #19 @ 300 Cont Cont | #19 @ 300 Cont 1.5 m | #19 @ 230 Cont 1.5 m |
| (b) Bars X Y | | | | #19 @ 300 1.6 m Cont | #19 @ 230 2.2 2.5 |
| (c) Bars | | | | | #16 @ 450 |
| (d) Bars X | | | | #16 @ 300 1.2 | #16 @ 300 1.2 |
| (e) Bars | | | | #16 @ 300 | #16 @ 300 |
| (f) Bars | | | | 3-#16 | 3-#16 |

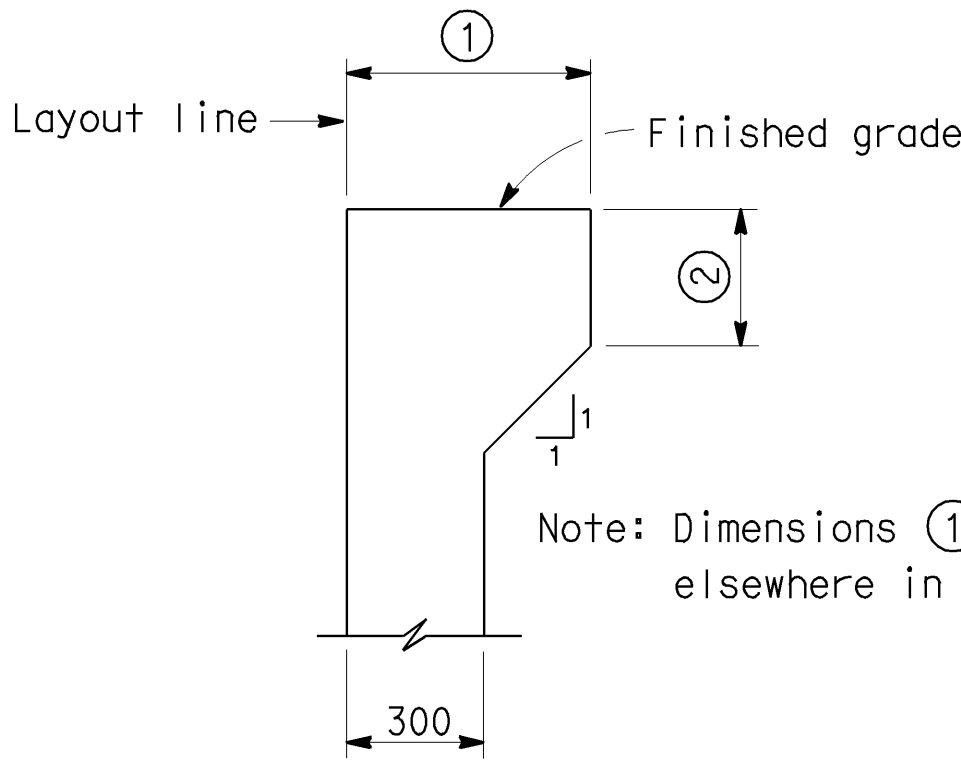
Cont = Continuous

GENERAL NOTES

Design: Service load design
Loading case:
1. Level slope with 240 psf surcharge
2. 2:1 unlimited slope
Concrete: $n=9$, $f'_c=3250$ psi, $f_c=1300$ psi
Reinforcing steel: $f_y=60,000$ psi $f_s=24,000$ psi
Soil:
Backfill: $\phi=34^\circ$, $\gamma=120$ pcf
Foundation: $\phi=34^\circ$, $c=200$ psf, $\gamma=120$ pcf
Minimum allowable bearing pressure=2.0 ksf
Lateral earth pressure: Coulomb's theory with $S=0^\circ$
Seismic:
1. Level slope, $k_h=0.3g$
2. 2:1 unlimited slope, $k_h=0.1g$

NO SCALE

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN



HAUNCH FOR CONCRETE BARRIER

| | | | | | | | | | | | | | | | | | | |
|--------------------------------------|----------|--------------|------------|--------------|---|---|----------------------------------|---|---------------------|---|----------------|---|--|--|--|--|--------------|----|
| STANDARD DRAWING | | | | | <div>STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION</div> | <div>DIVISION OF ENGINEERING SERVICES</div> | BRIDGE NO. | <div>RETAINING WALL TYPE 7, H = 1.2-3.6 m</div> | | | | | | | | | | |
| RELEASE DATE | 9/22/93 | DESIGN BY | J.C. MOESE | CHECKED | | | O. HOR | | RELEASED BY | | KILOMETER POST | | | | | | | |
| FILE NO. | xs14-010 | DETAILS BY | R. YEE | CHECKED | | | O. HOR | | <i>Shannon Wood</i> | | | | | | | | | |
| | | SUBMITTED BY | J.C. MOESE | DRAWING DATE | | | 10/92 | | OFFICE CHIEF | | | | | | | | | |
| DS OSD 2147A (METRIC) (REV. 2/25/97) | | | | | ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS | | 0 10 20 30 40 50 60 70 80 90 100 | | CU EA | DISREGARD PRINTS BEARING EARLIER REVISION DATES | | REVISION DATES (PRELIMINARY STAGE ONLY) | | | | | SHEET | OF |
| | | | | | | | | | | USERNAME => jsanchez | | | | | | | xs14-010.dgn | |

DATE PLOTTED => 16-JAN-2004 TIME PLOTTED => 14:41